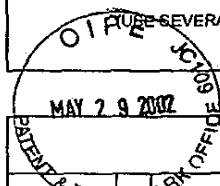


FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. AUROBIO.013CC1	APPLICATION NO. 10/082,974
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT Shumate, et al.	
		FILING DATE February 25, 2002	GROUP 1743



U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)	
DCH	1. RE 32,414	05/12/87	Hutchins, et al.				
	2. 4,000,976	01/04/77	Kramer, et al.				
	3. 4,058,146	11/15/77	Citrin				
	4. 4,115,010	09/19/78	McAleer, et al.				
	5. 4,125,680	11/14/78	Shropshire, et al.				
	6. 4,135,561	01/23/79	Senelonge				
	7. 4,216,245	08/05/80	Johnson				
	8. 4,256,153	03/17/81	Lamaziere				
	9. 4,262,711	04/21/81	Anderson				
	10. 4,276,048	06/30/81	Leaback				
	11. 4,313,476	02/02/82	Bennett, et al.				
	12. 4,342,407	08/03/82	Citrin				
	13. 4,446,104	05/01/84	Hammerling, et al.				
	14. 4,478,084	10/23/84	Salomaa, et al.				
	15. 4,488,241	12/11/94	Hutchins, et al.				
	16. 4,493,896	01/15/85	La Motte, III, et al.				
	17. 4,496,657	01/29/85	Coppersmith, et al.				
	18. 4,498,782	02/12/85	Proctor, et al.				
	19. 4,501,970	02/26/85	Nelson				
	20. 4,507,044	03/26/85	Hutchins, et al.				
	21. 4,510,684	4/16/85	Hutchins, et al.				
	22. 4,562,871	01/07/86	Astle				
	23. 4,565,100	01/21/86	Malinoff				
	24. 4,580,895	04/08/86	Patel				
	25. 4,586,151	04/29/86	Boute				
	26. 4,607,196	08/19/86	Abrahams, et al.				
	27. 4,632,631	12/30/86	Dunlap				

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EXAMINER <i>DCH</i>	DATE CONSIDERED <i>12/1/03</i>
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	

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U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
	28. 4,677,195	08/30/87	Hewick, et al.			
DKH	29. 4,692,308	09/08/87	Riley, et al.			
	30. 4,701,412	10/20/87	Naylor			
	31. 4,701,754	10/20/87	Provonchee			
	32. 4,703,008	10/27/87	Lin			
	33. 4,710,031	12/01/87	Kelly, et al.			
	34. 4,753,775	06/28/88	Ebersole, et al.			
	35. 4,803,050	02/07/89	Mack			
	36. 4,824,230	04/25/89	Litt			
	37. 4,835,711	05/30/89	Hutchins, et al.			
	38. 4,835,711	05/30/88	Hutchins, et al.			
	39. 4,988,148	11/06/90	Chow, et al.			
	40. 5,021,217	06/04/91	Oshikubo			
	41. 5,035,270	07/30/91	Herzog			
	42. 5,036,001	07/30/91	Gork, et al.			
	43. 5,055,236	10/08/91	Meltzer			
	44. 5,073,029	12/17/91	Eberly, et al.			
	45. 5,082,628	01/21/92	Andreotti, et al.			
	46. 5,104,621	04/14/92	Pfost, et al.			
	47. 5,104,808	04/14/92	Laska, et al.			
	48. 5,108,703	04/28/92	Pfost, et al.			
	49. 5,112,134	05/12/92	Chow, et al.			
	50. 5,125,748	06/30/92	Bjornson, et al.			
	51. 5,139,744	08/18/92	Kowalski			
	52. 5,206,568	04/27/93	Bjornson, et al.			
	53. 5,213,766	05/25/93	Flesher, et al.			
DKH	54. 5,219,528	06/15/93	Clark			

EXAMINER <i>Wayne K. Hanley</i>	DATE CONSIDERED <i>2/1/03</i>
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U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
OKM	55.	5,226,462	07/13/93	Carl		
	56.	5,243,540	09/07/93	Van Albert, et al.		
	57.	5,250,263	10/05/93	Manz		
	58.	5,332,549	07/26/94	Macindoe, Jr.		
	59.	5,338,688	08/16/94	Deeg, et al.		
	60.	5,350,564	09/27/94	Mazza, et al.		
	61.	5,355,215	10/11/94	Schroeder, et al.		
	62.	5,355,439	10/11/94	Bernstein, et al.		
	63.	5,362,648	11/08/94	Koreyasu, et al.		
	64.	5,366,896	11/22/94	Margrey, et al.		
	65.	5,366,896	11/22/94	Margery, et al.		
	66.	5,443,791	8/22/95	Cathcart, et al.		
	67.	5,455,008	10/03/95	Earley, et al.		
	68.	5,468,110	11/21/95	McDonald, et al.		
	69.	5,497,670	03/12/96	Carl		
	70.	5,512,247	04/30/96	Bonacina, et al.		
	71.	5,518,668	05/21/96	Gianino		
	72.	5,525,302	06/11/96	Astle		
	73.	5,527,884	06/18/96	Mabile, et al.		
	74.	5,540,889	07/30/96	Gordon, et al.		
	75.	5,542,012	07/30/96	Fernandes, et al.		
	76.	5,544,535	08/13/96	Thomas		
	77.	5,547,849	08/20/96	Baer, et al.		
	78.	5,587,294	10/22/96	Dovichi, et al.		
	79.	5,578,832	11/26/96	Trulson, et al.		
	80.	5,580,722	10/03/96	Foulkes, et al.		
OKM	81.	5,581,691	12/03/96	Hsu, et al.		

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EXAMINER <i>D. Hardy</i>	DATE CONSIDERED <i>12/1/03</i>
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U.S. PATENT DOCUMENTS							
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DCH	82.	5,581,758	12/03/96	Burnett, et al.			
	83.	5,589,351	12/31/96	Harootunian			
	84.	5,593,287	01/14/97	McDonald, et al.			
	85.	5,623,415	04/22/97	O'Bryan, et al.			
	86.	5,665,543	09/09/97	Foulkes, et al.			
	87.	5,670,113	09/23/97	Akong, et al.			
	88.	5,675,715	10/07/97	Bernstein, et al.			
	89.	5,691,188	11/25/97	Pausch, et al.			
	90.	5,696,887	12/09/97	Bernstein, et al.			
	91.	5,776,502	07/07/98	Foulkes, et al.			

FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
DCH	92.	WO 88/00707	1/28/88	PCT			
	93.	WO 88/00707	01/28/88	PCT			
	94.	WO 91/04193	04/18/91	PCT			
	95.	WO 91/04193	04/18/91	PCT			
	96.	WO 91/14445	11/14/91	PCT			
	97.	WO 91/16977	11/14/91	PCT			
	98.	WO 91/16977	11/14/91	PCT			
	99.	WO 91/17445	11/14/91	PCT			
	100.	WO 92/14127	08/20/92	PCT			
	101.	WO 92/14127	08/20/92	PCT			
DCH	102.	WO 93/13423	07/08/93	PCT			
	103.	WO 93/13423	07/08/93	PCT			
	104.	WO 93/20612	10/14/93	PCT			
	105.	WO 93/20612	10/14/93	PCT			

EXAMINER <i>D. H. H.</i>	DATE CONSIDERED <i>2/1/03</i>
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FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION		
						YES	NO	
OKH	106	WO 93/25913	12/23/93	PCT				
	107	WO 93/25913	12/23/93	PCT				
	108	WO 94/16313	07/21/94	PCT				
	109	WO 94/16313	07/21/94	PCT				
	110	WO 94/19097	09/01/94	PCT				
	111	WO 94/19097	09/01/94	PCT				
	112	WO 95/31284	11/23/95	PCT				
	113	WO 95/11461	04/27/95	PCT				
	114	WO 95/11461	04/27/95	PCT				
	115	WO 95/25423	09/28/95	PCT				
	116	WO 95/25423	09/28/95	PCT				
	117	WO 95/31284	11/23/95	PCT				
	118	WO 96/05488	02/22/96	PCT				
	119	WO 96/05488	02/22/96	PCT				
	120	WO 97/00136	01/03/97	PCT				
	121	WO 97/26539	07/24/97	PCT				
	122	WO 98/52047	11/19/98	PCT				
	123	0 251 441 B1	12/29/93	Europe				
	124	0 635 713 A1	01/25/95	Europe				
	OKH	125	301,699	01/02/89	Europe			

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EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
OKH	126 Shuttleworth, Inc., "Flexible, Low-Line Pressure Accumulating Slip-Torque Conveyor Systems," (ca. 1993).
	127 Shuttleworth, Inc., "Flat Panel Display News," (February 1996).
OKH	128 Ultra High Throughout Screening System, Zymark Corp., Home page down load, Alegro (07/17/98).

EXAMINER <i>D. Hendy</i>	DATE CONSIDERED <i>12/1/03</i>
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